



EMERGENCY MEDICAL SERVICES AGENCY
LOS ANGELES COUNTY

March 14, 2013

Los Angeles County Board of Supervisors

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To ensure timely, compassionate, and quality emergency and disaster medical services.

TO: Medical Director, Each Paramedic Provider Agency
Fire Chief, Each 9-1-1 Paramedic Provider Agency
CEO, Each Private Paramedic Provider Agency
Paramedic Coordinator, Each Paramedic Provider Agency

FROM: William Koenig, M.D., Medical Director

SUBJECT: DEXTROSE 50%-25g SHORTAGE
DEXTROSE 25%-2.5g SHORTAGE

Dextrose 50%-25gms and Dextrose 25%-2.5gms has been in short supply for the past few months. During this shortage, with the assistance of the County pharmacies, the EMS Agency has been able to keep the system supplied; however, our supplies are beginning to run low.

If you are unable to obtain D50%-25gms or D25-2.5gms, you may substitute D10W, 250ml IV solution. This product is readily available from major pharmaceutical supplies. The 250ml intravenous bag supplies the same amount of dextrose as the 50% Dextrose (25gms) preload syringe. For adult patients, this should be administered as a fluid bolus once intravenous access has been established. Upon completion of the bolus, normal saline should be hung at a TKO rate or the line converted to a saline lock.

For pediatric patients, a conversion chart is enclosed listing the dosage, in milliliters, of D10W 250ml to administer in place of Dextrose 25%. This color code chart corresponds with the Color Code Drug Doses LA County kids Cards. For any child less than 19kg, the dose of D10W should be withdrawn from the IV bag and administered with the use of a syringe. The IV bag is considered a single patient use and discarded after withdrawal of the needed dextrose solution.

If you do find it necessary to stock D10W 250ml IV solution, please notify the EMS Agency. Furthermore, be aware that labeling on the bag is very similar to the normal saline intravenous (IV) bags currently stocked on your units. Therefore, you should clearly mark the D10W bags to avoid confusion.

If you or your staff has any questions, please contact John Telmos, Prehospital Programs Manager at (562) 347-1677.

Enclosure
WK:jt
03-14

c. PCC, Each Base Hospital



Health Services
<http://ems.dhs.ladhs.org>

**CONVERSION CHART FOR SUBSTITUTION OF
50% DEXTROSE-25gms/50ml WITH 10% DEXTROSE-25 gms/250mls**

Color/ Weight	Dextrose Dose	50% Dextrose 50ml Syringe (25g)	25% Dextrose 10ml Syringe (2.5g)	10% Dextrose 250ml Bag (25g)
3Kg	1.5g	3ml	6ml	15mL
4Kg	2.0g	4ml	8ml	20mL
5Kg	2.5g	5ml	10ml	25mL
6-7Kg	3.25g	6.5ml	13ml	30mL*
8-9Kg	4.25g	8.5ml	17ml	40mL*
10-11Kg	5.25g	10.5ml	20ml	50mL*
12-14 Kg	6.5g	13ml	25ml	65mL
15-18Kg	8.25g	16ml	33ml	80mL*
19-22Kg	10.4g	20ml	42ml	105mL*
24-28Kg	13g	25ml	52ml	130mL
30-36Kg	16.5g	30ml	66ml	165mL

Pediatric Dextrose Dose 0.5g/Kg

*Rounded for ease of withdraw

Color corresponds to Color Code Drug Dose L.A. County Kids